IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)	Attorney Docket No.: **ASAIN0165**
)	Confirmation No. Unknown
Kangbin LEI et al)	
)	Group Art Unit: Unknown
Serial No.: Unknown)	
)	Examiner: Unknown
Filed: June 27, 2005)	
)	
For: METHOD AND DEVICE FOR)	Date: June 27, 2005
NUMERICAL ANALYSIS OF FLOW)	
FIELD OF INCOMPRESSIBLER)	
VISCOUS FLUID, DIRECTLY USING)	
V-CAD DATA)	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. §1.56, this

Information Disclosure Statement in connection with the above-identified application is being

filed in accordance with 37 C.F.R. §1.97(b):

☒ within three months of the filing date of this application (not a C.P.A.);

☐ within three months of the date of entry of the National Stage;

☐ before the mailing date of a first Office Action on the merits; or

☐ before the mailing of a first Office Action on the merits of, after the filing of a Request for Continued Examination (RCE) under §1.114.

A copy of each non-U.S. document identified on the attached Forms PTO/SB/08B is attached,

however, in accordance with Official Gazette Notice dated August 5, 2003, copies of the U.S.

patents and patent application publications are not attached.

10-2003

Attorney Dkt. No. ASAIN0136
Serial No. Unknown

Documents A -S are discussed in the present specification. Accordingly, no further

comment with regard to the disclosures of these documents is believed to be required.

It is respectfully requested that the attached documents be considered and officially

cited, and that the Examiner initial a copy of Forms PTO/SB/08B, and return them to the

undersigned to indicate that the documents have been considered.

It is believed that the present Information Disclosure Statement complies with the

requirements of 37 C.F.R. §§ 1.97-8, but should the filing of this paper necessitate a fee, the

Director is hereby authorized to charge the necessary fee to Deposit Account No.

50-1281.

Respectfully submitted,

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10-2003

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known	
Application Number	Unknown 10/540861
Filing Date	June 27, 2005
First Named Inventor	Kangbin LEI et al.
Art Unit	Unknown
Examiner Name	Unknown

Sheet	1	of	2	Attorney Docket Number	ASAIN0136

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	A	E.M. Saiki et al., "Numerical Simulation of a Cylinder in Uniform flow: Application of a Virtual Boundary Method", 1996, Journal of Computational Physics 123, pp. 450-465.	
	B	Yabe Takashi et al., 1999, "Solid-Liquid-Gas Unification Solving Method and CIP Method", Journal of Japan Society of Computational Fluid Dynamics, 7, pp 103-114.	
	C	T. Ye, et al., "A Cartesian Grid Method for Viscous Incompressible Flows with Complex Immersed Boundaries", University of Fla., 1999, AIAA-99-3312, pp. 547-557.	
	D	Akira NAKANO et al., "Numerical Simulation of Compressive... the Cartesian Grid System, Transactions of Japan Society of Mechanical Engineers, 1995, 61B-592, pp. 4319-4326.	
	E	Osamu ICHIKAWA et al., "Computation of the Flow Field... Using Cartesian Grid", Trans. of Japan Society of Mechanical Engineers, 68B-669, pp. 1329-1336.	
	F	BingHu PIAO et al., "Cartesian Grid Method for Incompressible Viscous Fluid Flow", 2000, Journ. of Japan Soc. of Fluid Mechanics, 19, pp. 37-46.	
	G	K. ONO et al., "An Application of Voxel Modeling Approach to Prediction of Engine Cooling Flow", Soc. of Automotive Engineers of Japan, Spring Convention, No. 984, pp. 165-168	
	H	http://kuwahara.isas.ac.jp/index.html.	
	I	S. TERAMOTO et al., "Flow Simulations around Three-Dimensional Objects Using a Cartesian Grid Method", 1998, Proc. of 12th Computational Fluid Dynamics Symposium, 299-300.	
	J	J.J. QUIRK, "An Alternative to Unstructured Grids for Computing Gas Dynamic Flows Around Arbitrarily Complex Two-Dimensional Bodies", Computers Fluids, 23, pp. 125-142.	

Examiner Signature		Date Considered	

Substitute for form 1449/PTO	**Complete if Known**	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT *(Use as many sheets as necessary)*	Application Number	Unknown
	Filing Date	June 27, 2005
	First Named Inventor	Kangbin LEI et al.
	Art Unit	Unknown
	Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket Number	ASAIN0136

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	K	S.L. KARMAN, Jr., "SPLITFLOW: A 3D Unstructured Cartesian/Prismatic Grid, CFD Code for Complex Geometries", 1995, 33rd Aerospace Sciences Mtg. and Exh. AIAA 95-0343, pp 1-16.	
	L	C. W. HIRT et al., "Volume of Fluid (VOF) Method for the Dynamics of Free Boundaries", Journ. of Comput. Phys. 39, 1981, pp. 201-225.	
	M	C. W. HIRT et al., "Calculating Three-Dimensional Flows Around Structures and over Rough Terrain", Journ. Comput. Phys. 10, 1972, pp. 324-340.	
	N	Teshima KASE, "Volume Cad Development", Riken Symposium, Integrated Vol. CAD System Research, 1st Meeting, 2001, pp. 6-11.	
	O	I. TOYODA et al., "Analysis of Flow Around a Circular Cylinder Using Adaptive Cartesian Mesh Method", 13th Computational Fluid Dynamics Symposium, 1999, F03-1, CD-ROM.	
	P	H. Matsumiya et al., "Numerical Simulation of 2D Flow Around a Circular ...Finite-Difference Method", Trans. of Japan Soc. of Mech. Engineers, 1993, 59B-566, pp. 2937-2943.	
	Q	R. BOUARD et al., "The Early Stage of Development of the wake behind an impulsively started cylinder...", Journ. Fluid Mech., 1980, 101-3, pp. 583-607.	
	R	S. OKAMOTO et al., "Fluid Force Acting on Two-Dimensional Circular Cylinder in Lock-In Phenomenon", JSME International Journ., 2002, B45, No. 4, pp. 850-856.	
	S	N. KONDO, "Numerical Simulation for Aerodynamic Behaviors of a Circular Cylinder", 15th Computational Fluid Dynamics Symposium, 2001, E09-2, CD-ROM.	

Examiner Signature		Date Considered	